ELSEVIER

Colloids and Surfaces
A: Physicochemical and Engineering Aspects 164 (2000) 343–344

COLLOIDS AND SURFACES A

www.elsevier.nl/locate/colsurfa

Contents of Volume 164

Vol. 164 No. 1

Editorial 1
Application of charge regulation model for evaluation of surface ionization parameters from atomic force microscopy (AFM) data
B.V. Zhmud, A. Meurk and L. Bergström (Stockholm, Sweden) 3
Π-A isotherms for anionic, cationic and mixed anionic–cationic surfactants
K.B. Mędrzycka and E. Lamparska (Gdańsk, Poland) 9
Interfacial properties of nonionic micellar aggregates as a function of temperature and concentration
G. Briganti, G. D'Arrigo (Rome, Italy), L. Falconi (Sheffield, UK) and M. Maccarini (Sheffield, UK) 19
Non-ionic sucrose esters microemulsions for food applications. Part 1. Water solubilization
N. Garti, A. Aserin and M. Fanun (Jerusalem, Israel) 27
Lateral lipid diffusion in phospholipid monolayers coupled to polyelectrolyte films
M. Auch, B. Fischer and H. Möhwald (Berlin, Germany) 39
Influence of the hydrocarbon chain length in the phase transition from solid to liquid-crystal in *n*-alkylammoniu chlorides
A. Terreros, P.A. Galera Gomez, E. López Cabarcos (Madrid, Spain) and A. Müller (Caracas, Venezuela) 47
Surface structure tuning in alcohol melts by bulk additives
O. Gang (Ramat-Gan, Israel), B.M. Ocko (Upton, NY, USA), X.Z. Wu (San Jose, CA, USA), E.B. Sirota (Annandale, NJ, USA) and M. Deutsch (Ramat-Gan, Israel) 55
Surface activity of acylglycerol emulsifiers modified with carboxylates
H. Szeląg and W. Zwierzykowski (Gdańsk, Poland) 63
Compartmentation in the poly(vinyl alcohol) cryogels. ^{1}H NMR self-diffusion study
Y.E. Shapiro (Stockholm, Sweden) 71
Micelle formation in water solutions of polyelectrolytes for electrodeposition
L. Tertykh and Y. Rynda (Kyiv, Ukraine) 85

Calendar 93

Vol. 164 Nos. 2–3

Role of electrical and mechanical properties of red blood cells for their aggregation
S. Jovtchev, I. Djenev, S. Stoeff and S. Stoylov (Sofia, Bulgaria) 95
Wave mechanism of mass transfer for kinetics of adsorption in biporous media
I.I. Abarzhi (Kiev, Ukraine) 105
The adsorption of phosphamidon on the surface of styrene supported zirconium (IV) tungstophosphate: a thermodynamic study
R. Niwas, U. Gupta, A.A. Khan and K.G. Varshney (Aligarh, India) 115
Modification of quartz surfaces using cationic surfactant solutions
N.V. Churaev, I.P. Sergeeva, V.D. Sobolev (Moscow, Russia), H.-J. Jacobasch, P. Weidenhammer and F.-J. Schmitt (Dresden, Germany) 121
Heteroflocculation of kaolin pre-treated with oppositely charged polyelectrolytes
R. Seppänen (Stockholm, Sweden), G. Ström (Falun, Sweden) and J. Elftonson (Helsingborg, Sweden) 131
Surface chemical studies on alumina suspensions using ammonium poly(methacrylate)
D. Santhiya, S. Subramanian, K.A. Natarajan (Bangalore, India) and S.G. Malghan (Gaithersburg, MD, USA) 143
A rhodamine and a cyanine dye on the water surface as studied by laser induced fluorescence microscopy
M.N. Slyadnev, T. Inoue, A. Harata and T. Ogawa (Fukuoka, Japan) 155
Methods for calculating solvent enthalpy of vaporisation values by a molecular modelling technique — effect of charge and method
B.J. Clifton, T. Cosgrove and M.R. Warne (Bristol, UK) 163
Interaction forces between OH-groups in different solvents as observed by scanning force microscopy
G. Papastavrou and S. Akari (Potsdam, Germany) 175
Spontaneous nucleation of monodisperse silver halide particles from homogeneous gelatin solution I: silver chloride
T. Sugimoto, F. Shiba, T. Sekiguchi and H. Itoh (Sendai, Japan) 183
Spontaneous nucleation of monodisperse silver halide particles from homogeneous gelatin solution II: silver bromide
T. Sugimoto and F. Shiba (Sendai, Japan) 205

Latex coagulation induced by alcohol vapors: an unusual factor for colloidal instability
F. Galembeck, M. Braga, M. do Carmo Vasconcelos Medeiros da Silva and A. Herzog Cardoso (Campinas SP, Brazil) 217
Structure analysis of phosphated zirconia catalysts using XRD and nitrogen adsorption methods
G.A.H. Mekhemer and H.M. Ismail (El-Minia, Egypt) 227
Electrostatic adsorption of polystyrene particles with different surface charges onto the surface of an ultrathin polymer film
T. Serizawa, S. Kamimura and M. Akashi (Kagoshima, Japan) 237
Influence of alcohols on the critical micelle concentration of non-aqueous micellar solutions
M.S. Akhter and S.M. Al-Alawi (Isa Town, Bahrain) 247
Coupling of diethylenetriamine to carboxyl-terminated magnetic particles
S. Gélinas, J.A. Finch and A.J. Vreugdenhil (Montreal, Qc, Canada) 257
Investigation of over-compressed spread L-dipalmitoyl phosphatidylcholine films and the influence of solvent vapour in the gas phase on Π/A isotherms measured by using the captive bubble technique
N. Wüstneck (Berlin, Germany), R. Wüstneck (Potsdam, Germany), V.B. Fainerman (Donetsk, Ukraine), U. Pison and R. Miller (Berlin, Germany) 267
Light induced switching of conductivity in AOT–isooctane–water microemulsions via photoreactions of solubilizates
T. Wolff and H. Hegewald (Dresden, Germany) 279
Inhibitory effects of tyloxapol on the surface activity of albumin at the air/liquid interface
C.-H. Chang, S.-C. Tseng and T.-K. Chuang (Tainan, Taiwan, ROC) 287
Surface structure and composition of calcium hydroxyapatites substituted with Al(III), La(III) and Fe(III) ions
M. Wakamura, K. Kandori and T. Ishikawa (Osaka, Japan) 297
Determination of hydrodynamic radius of AOT reverse micelles prepared in near-critical propane
Z. Shervani and Y. Ikushima (Sendai, Japan) 307
Processes and phenomena of purity decrease during the optical resolution of DL-threonine by preferential crystallization
V.M. Profir and M. Matsuoka (Tokyo, Japan) 315
Effect of acid–base properties of unsized and sized carbon fibers on fiber/epoxy matrix adhesion
N. Dilsiz and J.P. Wightman (Blacksburg, VA, USA) 325

Calendar 337
Author Index 339
Subject Index 341
Volume Contents 343